Volume 66–B 1984

THE JOURNAL OF BONE AND JOINT SURGERY

BRITISH VOLUME

Published in London by Churchill Livingstone
American Volume published at 10 Shattuck Street, Boston, Mass.

THE JOURNAL OF BONE AND JOINT SURGERY

Official Publication of the

BRITISH ORTHOPAEDIC ASSOCIATION
AUSTRALIAN ORTHOPAEDIC ASSOCIATION
CANADIAN ORTHOPAEDIC ASSOCIATION
NEW ZEALAND ORTHOPAEDIC ASSOCIATION
SOUTH AFRICAN ORTHOPAEDIC ASSOCIATION
BRITISH ORTHOPAEDIC RESEARCH SOCIETY

AMERICAN ORTHOPAEDIC ASSOCIATION
AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS
WESTERN ORTHOPAEDIC ASSOCIATION
CANADIAN ORTHOPAEDIC RESEARCH SOCIETY

British Editor A. GRAHAM APLEY

Editor Emeritus R. C. F. CATTERALL

American Editor PAUL H. CURTISS, JR

Editor Emeritus THORNTON BROWN

British Editorial Board

David L. Evans, *Chairman*
A. Graham Apley, *Editor*
Rodney Sweetnam, *Treasurer*
R. B. Duthie, *President, BOA*
D. K. Evans, *Treasurer, BOA*
J. A. Fixsen, *Editorial Secretary, BOA*
T. Duckworth, *Representative, BORS*
C. E. Ackroyd, Bristol, England
J. Crawford Adams, London, England
N. J. Barton, Nottingham, England
M. K. D'A. Benson, Oxford, England
A. Catterall, London, England
Michael A. Edgar, London, England
J. W. Goodfellow, Oxford, England
A. N. Henry, London, England
F. T. Horan, Haywards Heath, England
Kevin F. King, Melbourne, Australia
Leslie Klenerman, London, England
M. Laurence, London, England
Merv Letts, Winnipeg, Canada
A. G. Rothwell, Christchurch, New Zealand
Martin Singer, Cape Town, South Africa
W. A. Souter, Edinburgh, Scotland
T. K. F. Taylor, Sydney, Australia
James J. Wiley, Ottawa, Canada

British Council of Management

David L. Evans, *Chairman*
Rodney Sweetnam, *Secretary*
R. B. Duthie, *President, BOA*
J. Crawford Adams

British Orthopaedic Association

R. B. Duthie, *President*
J. A. Fixsen, *Editorial Secretary*
B. G. Andrews, *Secretary*
at the Royal College of Surgeons,
Lincoln's Inn Fields, London WC2A 3PN

British Orthopaedic Research Society

Geoffrey Burwell, *President*
F. W. Heatley, *Treasurer*
Robert Dickson, *Secretary*
St James's University Hospital, Leeds LS9 7TF

Canadian Orthopaedic Association

John W. Hazlett, *President*
Gordon W. D. Armstrong, *President-Elect*
Morris Duhaime, *Secretary*
1117 St Catherine Street West, Suite 225, Montreal, Quebec H3B 1H9

Canadian Orthopaedic Research Society

Fred Langer, *President*
William G. De Haas, *President-Elect*
Charles H. Rivard, *Secretary*
1117 St Catherine Street West, Suite 225, Montreal, Quebec H3B 1H9

Australian Orthopaedic Association

T. J. Claffey, *President*
E. H. Bates, *Editorial Secretary*
A. H. D. McJannet, *Secretary*
229–231 Macquarie Street, Sydney, NSW 2000

New Zealand Orthopaedic Association

C. H. Hooker, *President*
A. G. Rothwell, *Editorial Secretary*
C. J. Bossley, *Secretary*
Hutt Hospital, Private Bag, Lower Hutt

South African Orthopaedic Association

B. B. Mandell, *President*
J. N. Bear, *Treasurer*
J. A. Shipley, *Secretary*
Orthopaedic Department, National Hospital, Bloemfontein 9301

American Board of Associate Editors

Paul H. Curtiss, Jr, *Editor and Chairman*
Jonathan Cohen, *Deputy Editor*
Richard E. Senghas, *Book Reviews*
Wilton H. Bunch, Maywood, Illinois
Henry R. Cowell, Wilmington, Delaware
Jesse C. DeLee, San Antonio, Texas
Frederick Ewald, Boston, Massachusetts
Robert Fitzgerald, Rochester, Minnesota
John W. Frymoyer, Burlington, Vermont
Kevin D. Harrington, San Francisco, California
M. Mark Hoffer, Downey, California
Walter W. Huurman, Omaha, Nebraska
Herbert Kaufer, Ann Arbor, Michigan
Eugene R. Mindell, Buffalo, New York
John A. Murray, Houston, Texas
Clyde L. Nash, Jr, Cleveland, Ohio
William Petty, Gainesville, Florida
Wayne O. Southwick, New Haven, Connecticut
E. Shannon Stauffer, Springfield, Illinois

Board of Consulting Editors for Research

Lawrence C. Rosenberg, *Deputy Editor for Research*
Albert H. Burstein, *Deputy Editor for Research*
H. Clarke Anderson, Kansas City, Kansas
Richard Brand, Iowa City, Iowa
Bruce Caterson, Morgantown, West Virginia
Edmund Y. S. Chao, Rochester, Minnesota
Howard D. Dorfman, Baltimore, Maryland
Michael Ehrlich, Boston, Massachusetts
Gary E. Friedlaender, New Haven, Connecticut
Victor M. Goldberg, Cleveland, Ohio
Edward S. Grood, Cincinnati, Ohio
Patrick J. Kelly, Rochester, Minnesota
Keith Markolf, Los Angeles, California
Edward J. Miller, Birmingham, Alabama
Jacquelin Perry, Downey, California
A. Robin Poole, Montreal, Quebec, Canada
Alan L. Schiller, Boston, Massachusetts
Neil Spielholz, New York, NY
Krishnan K. Unni, Rochester, Minnesota
Timothy M. Wright, New York, NY

American Board of Trustees

John J. Gartland, *Chairman*
Sherman S. Coleman, *Vice-Chairman*
Edward D. Henderson, *Treasurer*
Wood W. Lovell, *Secretary*
Paul H. Curtiss, Jr, *Editor*
Thornton Brown
J. T. H. Johnson
David G. Murray

American Orthopaedic Association

William F. Enneking, *President*
C. McCollister Evarts, *President-Elect*
Frank C. Wilson, *Secretary*
444 North Michigan Avenue, Chicago, Illinois 60611

American Academy of Orthopaedic Surgeons

J. William Fielding, *President*
Charles A. Rockwood, Jr, *First Vice-President*
Clement B. Sledge, *Second Vice-President*
Reginald R. Cooper, *Secretary*
444 North Michigan Avenue, Chicago, Illinois 60611

Western Orthopaedic Association

Philip H. Dickinson, *President*
Richard H. Eppright, *First Vice-President*
George C. Beattie, *Second Vice-President*
Melvin D. Roberts, *Secretary*
5550 East Hampton Street, Tucson, Arizona 85712

CONTENTS

British Volume, 66–B, 1984

Editorials and annotations Page

Carbon fibre as a surgical implant 157
B. McKibbin

What is congenital dislocation of the hip? 469
A. Catterall

Injuries to the cervical spine in schoolboys playing rugby football 470
F. T. Horan

Sarcoma and joint replacement 625
D. L. Hamblen and R. L. Carter

Arthroscopic surgery 627
D. J. Dandy

Review articles

Fractures of the hand 159
N. J. Barton

The wrist 396
Geoffrey R. Fisk

The management of the infected endoprosthesis 645
Leslie Klenerman

Invited contribution

The French scene 604
John Sharrard

Original articles

Tuberculosis of the lower cervical spine (C2 to C7) 1
L. C. S. Hsu and J. C. Y. Leong

Rotatory dislocation of both atlanto-axial joints 6
Robert N. Jones

The pathogenesis of idiopathic scoliosis 8
R. A. Dickson, J. O. Lawton, I. A. Archer and W. P. Butt

The behaviour pattern of the scoliosis associated with osteoid osteoma or osteoblastoma of the spine 16
A. O. Ransford, J. L. Pozo, P. A. N. Hutton and E. O'G. Kirwan

VOLUME CONTENTS

Page

Osteoid osteoma and benign osteoblastoma of the spine 21
E. O'G. Kirwan, P. A. N. Hutton, J. L. Pozo and A. O. Ransford

Scoliosis caused by section of dorsal spinal nerve roots 27
J. R. Pincott, J. S. Davies and L. F. Taffs

The Stracathro approach to the hip 30
James McLauchlan

Reconstruction of proximal femoral defects with a vascular-pedicled graft 32
P. C. Leung and Y. Y. N. Chow

Malignant fibrous histiocytoma of bone at the site of a total hip arthroplasty 38
Joan Bagó-Granell, Mario Aguirre-Canyadell, Joan Nardi and Natalia Tallada

Late complications of total hip replacement from bone cement within the pelvis 41
Brian J. Awbrey, Paul H. Wright, Lamar E. Ekbladh and Mary C. Doering

Fracture of the neck of the femur associated with posterior dislocation of the hip 45
H. J. Klasen and B. Binnendijk

Pre-operative and postoperative scintimetry after femoral neck fracture 49
Björn Strömqvist, Lars Ingvar Hansson, Peter Ljung, Per Ohlin and Harald Roos

The long-term results of Stanmore total knee replacements 55
R. J. Grimer, M. R. K. Karpinski and A. N. Edwards

Radical excision of the nailfold for ingrowing toenail 63
Ralph M. Antrum

Lambrinudi triple arthrodesis for correction of severe rigid drop-foot 66
S. C. Tang, J. C. Y. Leong and L. C. S. Hsu

Club foot 71
W. A. Scott, S. W. Hosking and A. Catterall

Bilateral delta phalanx of the proximal phalanges of the great toes 77
M. J. Neil and C. Conacher†

Bilateral simultaneous rupture of the quadriceps tendons 81
A. G. MacEachern and J. L. Plewes

Is conservative treatment of displaced tibial shaft fractures justified? 84
J. F. Haines, E. A. Williams, E. J. Hargadon and D. R. A. Davies

Bony lacerations caused by assault 89
L. A. Rymaszewski and J. M. Caullay

The treatment of compartment syndromes of the leg 93
Cecil H. Rorabeck

The treatment of recurrent dislocation of the peroneal tendons 98
R. G. Pöll and F. Duijfjes

Primary subacute osteomyelitis of the talus 101
X. A. Skevis

Four-part fractures of the neck of the humerus 104
P. G. Stableforth

Long-term effects of excision of the radial head in rheumatoid arthritis 109
L. A. Rymaszewski, I. Mackay, A. A. Amis and J. H. Miller

Management of the fractured scaphoid using a new bone screw 114
Timothy J. Herbert and William E. Fisher

VOLUME CONTENTS

Page

The treatment of delayed union and non-union of the carpal scaphoid by screw fixation 124
Anthony Leyshon, John Ireland and E. L. Trickey

Knuckle pads causing extensor tendon tethering 128
A. Addison

Comparison of the structure of neotendons induced by implantation of carbon or polyester fibres 131
A. A. Amis, J. R. Campbell, S. A. Kempson and J. H. Miller

Excision arthroplasty for infected total hip replacements 168
J. P. McElwaine and J. Colville

Acetabular erosion and the Monk "hard top" hip prosthesis 172
R. L. Leyshon and J. P. Matthews

Pharmacokinetic study of gentamicin-loaded cement in total hip replacements 175
H. Wahlig, E. Dingeldein, H. W. Buchholz, M. Buchholz and F. Bachmann

The effects of trochanteric osteotomy on abductor power 180
Richard W. Nutton and Roger G. Checketts

Residual shortening after osteotomy for Perthes' disease 184
Y. Mirovsky, A. Axer and D. Hendel

A comparison between arthroscopic meniscectomy and modified open meniscectomy 189
Per Hamberg, Jan Gillquist and Jack Lysholm

Open meniscectomy: enhanced recovery after synovial prostaglandin inhibition 193
David S. Muckle

Flexible carbon fibre in late ligamentous reconstruction for instability of the knee 196
R. L. Leyshon, G. M. Channon, D. H. R. Jenkins and Z. A. Rális

Abduction-traction injury of the knee 201
Y. Mirovsky, N. Halperin and D. Hendel

Late repair of the calcaneal tendon with carbon fibre 206
C. B. Howard, I. Winston, W. Bell, I. Mackie and D. H. R. Jenkins

Acute rupture of the lateral ligament of the ankle: to suture or not to suture? 209
Gwyn A. Evans, P. Hardcastle and A. D. Frenyo

Telescoping osteotomy for pressure metatarsalgia 213
B. Helal and M. Greiss

Surgical treatment of the symptomatic accessory navicular 218
M. F. Macnicol and S. Voutsinas

Intramedullary rodding with Bailey–Dubow extensible rods in osteogenesis imperfecta 227
A. I. Lang-Stevenson and W. J. W. Sharrard

Basilar impression in osteogenesis imperfecta 233
J. L. Pozo, H. A. Crockard and A. O. Ransford

Atypical spinal tuberculosis 239
S. S. Babhulkar, W. B. Tayade and S. K. Babhulkar

The development of an unconstrained elbow arthroplasty 243
L. W. Lowe†, A. J. Miller, R. L. Allum and D. W. Higginson

A review of the Liverpool elbow prosthesis from 1974 to 1982 248
R. K. Soni and M. E. Cavendish

Simultaneous dislocation of the elbow and the proximal radio-ulnar joint 254
R. P. L. Carey

Rotation osteotomy of the humerus for birth injuries of the brachial plexus 257
N. J. Goddard and J. A. Fixsen

Surgical reconstruction of the hand with triple nerve palsy 260
G. D. Sundararaj and K. Mani

Desmoplastic fibroma of bone 265
Franco Bertoni, Pierina Calderoni, Patrizia Bacchini and Mario Campanacci

The use of ceramics for bone replacement 269
Atsumasa Uchida, Sydney M. L. Nade, Eric R. McCartney and William Ching

Parosteal osteosarcoma 313
Mario Campanacci, Piero Picci, Franco Gherlinzoni, Aristide Guerra, Franco Bertoni and James R. Neff

Diabetes mellitus in the aetiology of Dupuytren's disease 322
J. Noble, J. G. Heathcote and H. Cohen

Bone and joint tuberculosis 326
P. D. O. Davies, M. J. Humphries, S. P. Byfield, A. J. Nunn, J. H. Darbyshire, K. M. Citron and W. Fox

A new technique for greater trochanteric hip arthroplasty 331
Anatol Axer and Alan Aner

Acetabular dysplasia and hip dislocation after selective premature fusion of the triradiate cartilage 334
Reuven Gepstein, Roy E. Weiss and Tom Hallel

Fractured femoral shaft through an osteolytic lesion resulting from the reaction to a prosthesis 337
Ugo Pazzaglia and Paul D. Byers

A six-year follow-up of infected total hip replacements managed by Girdlestone's arthroplasty 340
R. B. Bourne, G. A. Hunter, C. H. Rorabeck and J. J. Macnab

The treatment of patellar instability by lateral release 344
S. C. Chen and E. B. S. Ramanathan

The long-term results of Stanmore total knee replacements 349
A. W. F. Lettin, T. G. Kavanagh and J. T. Scales

Assessment of the survival and the clinical results of Stanmore total knee replacements 355
A. W. F. Lettin, T. G. Kavanagh, D. Craig and J. T. Scales

Arthrodesis of the knee after failed knee replacement 362
P. J. F. Wade and R. A. Denham

A technique for difficult arthrodesis of the knee 367
N. R. M. Fahmy, K. L. Barnes† and J. Noble

The long-term results of Watson-Jones tenodesis 371
A. J. van der Rijt and Gwyn A. Evans

The management of metatarsus adductus et supinatus 376
N. N. Ghali, M. J. Abberton and F. F. Silk

Valgus deformity of the ankle in children with spina bifida aperta 381
Dilip Malhotra, Rajiv Puri and Robert Owen

The long-term results of conservative management of severely displaced fractures of the calcaneus 386
J. L. Pozo, E. O'G. Kirwan and A. M. Jackson

Dislocations of the lunate with and without fracture of the scaphoid 391
A. L. Panting, D. W. Lamb, J. Noble and C. S. Haw

The treatment of isolated fractures of the distal ulna 408
I. W. D. Dymond

VOLUME CONTENTS

Anomalies of the lumbosacral nerve roots 411
Leon J. Kadish and Edward H. Simmons

The effects of chemonucleolysis as demonstrated by computerised tomography 417
J. G. Konings, F. J. B. Williams and R. Deutman

A new operation for atlanto-axial arthrodesis 422
Hiroshi Mitsui

Cervical cord compression due to extradural granulation tissue in rheumatoid arthritis 426
Hiroshi Kudo, Kunio Iwano and Hisayoshi Yoshizawa

Multifocal avascular necrosis after short-term high-dose steroid therapy 431
L. J. Taylor

Metabolic effects of tourniquet ischaemia studied by nuclear magnetic resonance spectroscopy 434
Raymond J. Newman

Blood flow and clearance in tendons 441
G. Hooper, R. Davies and P. Tothill

Congenital dislocation of the hip and computerised axial tomography 472
J. G. Edelson, M. Hirsch, H. Weinberg, D. Attar and E. Barmeir

Problems in the early recognition of hip dysplasia 479
Stuart J. M. Davies and Geoffrey Walker

Derotation osteotomy in the management of congenital dislocation of the hip 485
N. J. Blockey

The hip in the moulded baby syndrome 491
Christopher Good and Geoffrey Walker

Ruptured femoral vein 493
N. J. Fiddian, R. A. Sudlow and J. P. Browett

Dystrophic spinal deformities in neurofibromatosis 495
Louis C. S. Hsu, P. C. Lee and John C. Y. Leong

Injuries of the cervical spine in schoolboy rugby football 500
Gerald F. McCoy, James Piggot, Alastair L. Macafee and Ian V. Adair

Surgical treatment of cervical spondylotic myelopathy complicating athetoid cerebral palsy 504
Nobuharu Nishihara, Gozo Tanabe, Shinnosuke Nakahara, Takeshi Imai and Hiromasa Murakawa

Idiopathic scoliosis in three dimensions 509
P. Deacon, B. M. Flood and R. A. Dickson

Intramedullary spinal cord tumours presenting as scoliosis 513
Neil Citron, M. A. Edgar, John Sheehy and D. G. T. Thomas

Excision of prolapse of thoracic intervertebral disc 518
M. W. Fidler and Z. D. Goedhart

The radiolucent line beneath the tibial components of the Oxford meniscal knee 523
Sheo B. Tibrewal, Keith A. Grant and John W. Goodfellow

Stability of union after tibial shaft fracture 529
Richard Hammer, Paul Edholm and Bernt Lindholm

Diagnostic arthroscopy of the knee in children 535
R. K. Suman, I. G. Stother and G. Illingworth

The treatment of fractures with a dynamic axial fixator 538
Giovanni De Bastiani, Roberto Aldegheri and Lodovico Renzi Brivio

The management of equinus deformity in Duchenne muscular dystrophy 546
E. A. Williams, L. Read, Anne Ellis, P. Morris and C. S. B. Galasko

Clinical assessment of instability of the shoulder 551
Christian Gerber and Reinhold Ganz

Bilateral avascular necrosis of the capitate 557
B. G. Bolton-Maggs, B. Helal and P. A. Revell

Traumatic floating clavicle 560
A. S. Jain

Untreated intra-articular entrapment of the medial humeral epicondyle 562
J. V. Fowles, M. T. Kassab and T. Moula

Supracondylar osteotomy of the humerus for correction of cubitus varus 566
M. C. Bellemore, I. R. Barrett, R. W. D. Middleton, J. S. Scougall and D. W. Whiteway

The treatment of infected and uninfected non-union 573
R. M. Lifeso and Faisal Al-Saati

The risk of haematogenous infection in total joint replacements 580
D. A. P. Ainscow and R. A. Denham

Chronic sclerosing osteomyelitis 583
R. A. B. Mollan, B. F. Craig and J. D. Biggart

Morton's metatarsalgia 586
R. J. Guiloff, J. W. Scadding and L. Klenerman

The response of articular cartilage to weight-bearing against metal 592
Richard L. Cruess, Desmond C. Kwok, Pham Ngoc Duc, Mary Ann Lecavalier and Geng-Ting Dung

Experimental epiphysial distraction producing and correcting angular deformities 598
Jari I. Peltonen, Erkki O. Karaharju and Ilkka Alitalo

Fistula between the hip and the caecum 603
J. M. Kumar and R. L. Jowett

Malignant soft-tissue tumour at the site of a total hip replacement 629
Malcolm Swann

Osteosarcoma in association with total hip replacement 632
H. G. Penman and P. A. Ring

The resolution of protrusio acetabuli treated with Ring's hip prosthesis 635
David J. Sharp, Keith M. Porter and Robert F. N. Duke

Intramedullary cancellous bone block to improve femoral stem fixation in Charnley low-friction arthroplasty 639
B. M. Wroblewski and Adrian van der Rijt

Closed intramedullary rodding for osteogenesis imperfecta 652
R. W. D. Middleton

Walking ability after transplantation of the iliopsoas 656
Anne Stillwell and Malcolm B. Menelaus

The arthroscopic treatment of chondromalacia patellae 660
D. J. Ogilvie-Harris and R. W. Jackson

Late degenerative changes after meniscectomy 666
P. R. Allen, R. A. Denham and A. V. Swan

Replacement of the anterior cruciate ligament by an allogeneic tendon graft 672
Konsei Shino, Takao Kawasaki, Hitoshi Hirose, Ippei Gotoh, Masahiro Inoue and Keiro Ono

Unicompartmental arthroplasty of the knee 682
Grahame S. Inglis

Mechanical factors in the incidence of knee pain in adolescents and young adults 685
Jeremy C. T. Fairbank, Paul B. Pynsent, Jane A. van Poortvliet and Hugh Phillips

Talectomy for club foot in arthrogryposis 694
Louis C. S. Hsu, David Jaffray and John C. Y. Leong

Talectomy for arthrogryposis multiplex congenita 697
A. D. L. Green, J. A. Fixsen and G. C. Lloyd-Roberts

The pulseless club foot 700
Jacob G. Edelson and Najah Husseini

A simple method of arthrodesis of the first metatarsophalangeal joint 703
G. S. Chana, T. A. Andrew and C. P. Cotterill

Disc space narrowing and the lumbar facet joints 706
R. B. Dunlop, M. A. Adams and W. C. Hutton

The use of nuclear magnetic resonance in the diagnosis of lateral canal entrapment 711
C. Crawshaw, D. M. Kean, R. C. Mulholland, B. S. Worthington, D. Finlay, R. C. Hawkes, M. Gyngell and W. S. Moore

Intra-operative awakening to monitor spinal cord function during scoliosis surgery 716
J. C. Dorgan, T. R. Abbott and G. Bentley

Acquired spondylolysis after spinal fusion 720
J. A. Brunet and J. J. Wiley

The operative treatment of scapular fractures 725
F. H. Hardegger, Lex A. Simpson and B. G. Weber

The Stanmore total elbow replacement for rheumatoid arthritis 732
J. R. Johnson, C. J. M. Getty, A. W. F. Lettin and M. M. S. Glasgow

Surface replacement of the elbow in rheumatoid arthritis 737
Urban Rydholm, Björn Tjörnstrand, Holger Pettersson and Lars Lidgren

A wrist-powered hand prosthesis 742
T. Dick, D. W. Lamb and W. B. Douglas

Late surgical decompression for compartment syndrome of the forearm 745
Nicholas Geary

Functional cast-bracing for Colles' fractures 749
Hugh D. Stewart, Alan R. Innes and Frank D. Burke

Development of the iron-cored electromagnet for the treatment of non-union and delayed union 754
E. M. Downes and J. Watson

Chondrosarcoma in fibrous dysplasia of the pelvis 760
Maher Halawa and Ahmad Abdel Aziz

Keller's arthroplasty: is distraction useful? 765
K. P. Sherman, D. L. Douglas and M. K. D'A. Benson

Open flexor tenotomy for hammer toes and curly toes in childhood 770
E. R. S. Ross and Malcolm B. Menelaus

Proceedings and reports of universities, colleges, councils, associations and societies

Reports
British Orthopaedic Association and Société Française de Chirurgie Orthopédique et Traumatologique—Joint Meeting, April 1983 . . . 140
British Orthopaedic Association—Autumn Meeting, September 1983 . . . 276
British Orthopaedic Research Society—September 1983 . . . 287
Canadian Orthopaedic Association—Thirty-ninth Annual Meeting, June 1983 . . . 291
South African Orthopaedic Association—Twenty-ninth Annual Congress, September 1983 . . . 444
New Zealand Orthopaedic Association—Thirty-third Annual Scientific Meeting, October 1983 . . . 608
British Orthopaedic Foot Surgery Society—December 1983 . . . 772
Australian Orthopaedic Association—Forty-third Annual Scientific Meeting, September 1983 . . . 773

Appointments
British Orthopaedic Association—Election of Honorary Fellow, Corresponding Fellows, Fellows, Overseas Fellows, Companion Fellow and Associates . . . 149, 616
National University of Singapore—Appointment of Mr Kamal Bose to the Chair of Orthopaedic Surgery . . . 305
University of Liverpool—Degree of MCh Orth . . . 461
University of London, Institute of Orthopaedics—Appointment of Professor George Bentley as Professor of Orthopaedics and Director of Research and Clinical Studies . . . 615
Royal College of Surgeons of England—Election of Alan Apley to Vice Presidency . . . 791

Announcements
University of Leeds—Fellowship in Scoliosis Research . . . 150
Royal College of Surgeons of England—Porritt Fellowship . . . 306
Royal College of Surgeons of Edinburgh—Specialty Fellowship in Orthopaedic Surgery . . . 306, 617
Rothschild University Hospital, Haifa—Clinical Fellowship in Joint Replacement 1984 . . . 307
International Congress of Rheumatology—Sixteenth Congress, Sydney, May 1985 . . . 462
Volvo Awards for Low Back Pain Research 1985 . . . 463
British Orthopaedic Association—Spring Meeting 1985 . . . 616
British Orthopaedic Association—Weekend Instructional Course, January 1985 . . . 616, 791
British Orthopaedic Association—European Travelling Scholarships 1985 . . . 616
Johnson & Johnson Travel Awards 1985 . . . 616
Zimmer Travelling Fellowship 1985 . . . 616
Combined Associations Fellowship 1985 . . . 616
International Skeletal Society—Series of Courses on Musculoskeletal Disorders, 1984 to 1987 . . . 617
International Society for the Study of the Lumbar Spine—Twelfth Annual Meeting, Sydney, April 1985 . . . 617
International Course on Arthroscopic Surgery, Breda, November 1984 . . . 617
Hip Society Awards 1985 . . . 617
Bioelectrical Repair and Growth Society . . . 618
INSERM—André Lichtwitz Prize 1984 . . . 618
Orthopaedic Postgraduate Courses 1984 . . . 618
British Orthopaedic Association—Autumn Meeting 1985 . . . 791
British Orthopaedic Foot Surgery Society—November Meeting 1984 . . . 791
Institute of Orthopaedics, London—Course on Radiology of Bones and Joints, London, May 1985 . . . 791
Nuffield Department of Orthopaedic Surgery, University of Oxford—Course on the Basic Sciences of the Musculoskeletal System, October to December 1984 and January to March 1985 . . . 792
University of Dundee—International Conference and Advanced Course on Amputation Surgery and Lower Limb Prosthetics, July 1985 . . . 792
University of Strathclyde—Course on Lower Limb Orthotics, Glasgow, November 1984 and Lower Limb Prosthetics, Glasgow, January 1985 . . . 792
European Society for Biomaterials and the European Society of Biomechanics—Fifth European Conference on Biomaterials, Paris, September 1985 . . . 792
International Arthroscopy Association—Course on Basic Technique and Recent Advances in Arthroscopic Surgery, Hong Kong, February 1985 . . . 792
New York University, Department of Orthopaedic Surgery—Fellowship in Scoliosis and Spine Deformities, New York, July 1985 . . . 792
Cervical Spine Research Society—Twelfth Annual Meeting, New Orleans, December 1984 . . . 792
Wellington Postgraduate Medical Society—Second Wellington Fracture Course, Wellington, April 1985 . . . 792

Book reviews

Mercer's Orthopaedic Surgery (Eighth edition)—*R. B. Duthie* and *G. Bentley* (Editors) . . . 152
Revision Total Hip Arthroplasty—*Roderick H. Turner* and *Arnold D. Scheller Jr* (Editors) . . . 152
The American Academy of Orthopaedic Surgeons: Instructional Course Lectures (Volume XXXI)—*Victor H. Frankel* (Editor) . . . 153
Microsurgery—*Chen Zhong-wei, Yang Dong-yeu* and *Chang Di-sheng* . . . 153
Manual of Ambulatory Surgery—*Karl J. Kassity, James E. McKittrick* and *Frederick W. Preston* (Editors) . . . 153
Ankle Injuries—*Isadore G. Yablon, David Segal* and *Robert E. Leach* (Editors) . . . 154

Complex Foot Deformities in Children—*Sherman S. Coleman* . . . 154
American Academy of Orthopaedic Surgeons: Symposium on the Foot and Leg in Running Sports—*Robert P. Mack* (Editor) . . . 154
Outline of Fractures (Eighth edition)—*J. Crawford Adams* . . . 155
Clinical Orthopaedic Examination (Second edition)—*Ronald McRae* . . . 155
Orthopaedic Diagnosis (Second edition)—*Hans U. Debrunner* . . . 155
American Academy of Orthopaedic Surgeons: Symposium on Heritable Disorders of Connective Tissue (Third edition)—*Wayne H. Akeson, Paul Bornstein* and *Melvin J. Glimcher* (Editors) . . . 156
The Hand (Second edition)—*Lee Milford* . . . 156
Surgery of the Shoulder (Third edition)—*Anthony F. DePalma* . . . 309
External Skeletal Fixation—*Dana C. Mears* . . . 309
Lumbar Spine Surgery: Indications, Techniques, Failures and Alternatives—*Joseph C. Cauthen* (Editor) . . . 310
Intradiscal Therapy: Chymopapain or Collagenase—*Mark D. Brown* . . . 310
Hypermobility of Joints—*Peter Beighton, Rodney Grahame* and *Howard Bird* . . . 310
Fine Structure of Synovial Joints: A Text and Atlas of the Ultrastructure of Normal and Pathological Articular Tissues—*Feroze N. Ghadially* . . . 311
The Knee: Form, Function, and Ligament Reconstruction—*Werner Müller* . . . 311
The Foot and its Disorders (Second edition)—*Leslie Klenerman* (Editor) . . . 311
Clinical and Radiological Aspects of Myopathies: CT Scanning, EMG, Radioisotopes—*Jan A. L. Bulcke* and *Albert L. Baert* . . . 312
Computed Tomography in Orthopedic Radiology—*Erik Boijsen* and *Leif Ekelund* (Editors) . . . 312
Aston's Short Textbook of Orthopaedics and Traumatology (Third edition)—*Sean Hughes* (Editor) . . . 464
Anaesthesia for Orthopaedic Patients—*Alan Loach* . . . 464
Children's Fractures (Second edition)—*Mercer Rang* . . . 464
Problematic Musculoskeletal Injuries in Children—*Gregory R. Houghton* and *George H. Thompson* (Editors) . . . 465
The Brittle Bone Syndrome: Osteogenesis Imperfecta—*R. Smith, M. J. O. Francis* and *G. R. Houghton* . . . 465
Bone and Joint Disease in the Elderly—*V. Wright* (Editor) . . . 466
Crystals and Joint Disease—*Paul Dieppe* and *Paul Calvert* . . . 466
Bone Metastasis: Monitoring and Treatment—*Basil A. Stoll* and *Santilal Parbhoo* . . . 466
Understanding Back Pain—*R. W. Porter* . . . 467
Alloplastic Ligament Replacement—*Caius Burri* and *Lutz Claes* (Editors) . . . 467
A Colour Atlas of Traditional Meniscectomy—*I. S. Smillie* . . . 467
Animal Mechanics (Second edition)—*R. McNeill Alexander* . . . 467
Vascular Disorders of the Upper Extremity—*Herbert I. Machleder* (Editor) . . . 468
The Hand: Examination and Diagnosis (Second edition)—*American Society for Surgery of the Hand* . . . 468
Recent Advances in Orthopaedics, Number 4—*B. McKibbin* (Editor) . . . 619
The American Academy of Orthopaedic Surgeons: Instructional Course Lectures (Volume XXXII)—*C. McCollister Evarts* (Editor) . . . 619
Postgraduate Textbook of Clinical Orthopaedics—*Nigel H. Harris* (Editor) . . . 620
Textbook of Disorders and Injuries of the Musculoskeletal System (Second edition)—*Robert Bruce Salter* . . . 620
Musculoskeletal Tumor Surgery (Volumes 1 and 2)—*William F. Enneking* . . . 620
Soft Tissue Ossification—*J. M. Connor* . . . 621
Rheumatology: A Primary Care Approach—*Bruce M. Rothschild* . . . 621
Clinics in Rheumatic Diseases: Measurement of Joint Movement (Volume 8, Number 3)—*V. Wright* (Editor) . . . 621
The Severely Injured Limb—*Christopher E. Ackroyd, Brian T. O'Connor* and *Pieter F. de Bruyn* . . . 622
Vascular Injuries and Diseases of the Upper Limb—*E. F. Shaw Wilgis* . . . 622
Common Hand Injuries and Infections: A Practical Approach to Early Treatment—*Peter R. Carter* . . . 622
The Hand Book (Second edition)—*Stephan Ariyan* . . . 623
Current Concepts in Hand Surgery—*John A. Boswick Jr* (Editor) . . . 623
Reconstructive Surgery of the Thumb—*Ivan B. Matev* . . . 623
The Cervical Spine—*The Cervical Spine Research Society* . . . 624
Managing Low Back Pain—*W. H. Kirkaldy-Willis* (Editor) . . . 624
Low Back Pain and Industrial and Social Disablement—*Martin Nelson* (Editor) . . . 793
Computed Tomography of the Spine and Spinal Cord—*Thomas H. Newton* and *D. Gordon Potts* (Editors) . . . 793
Computed Tomography of the Spine—*Victor M. Haughton* (Editor) . . . 793
Myelomeningocele: Orthopaedic Treatment—*Michael F. Schafer* and *Luciano S. Dias* . . . 794
Traction and Orthopaedic Appliances (Second edition)—*John D. M. Stewart* and *Jeffrey P. Hallett* . . . 794
Disorders of the Hip—*David M. Gruebel Lee* . . . 795
Management of Hip Disorders in Children—*Jacob F. Katz* and *Robert S. Siffert* (Editors) . . . 795
Atlas of Knee Menisci: An Arthrographic-Pathologic Correlation—*Helene Pavlov, Bernard Ghelman* and *Vincent J. Vigorita* . . . 795
Surgery of the Knee Joint—*J. P. Jackson* and *W. Waugh* (Editors) . . . 796
Anatomy of the Foot and Ankle: Descriptive, Topographic, Functional—*Shahan K. Sarrafian* . . . 796